

TREASURY DEPARTMENT,  
OFFICE OF THE SUPERVISING ARCHITECT.

Washington D.C.

January 7/91.

Col. E. O. Leech

"Director of the Mint"

Dear Col.~

Please find accompanying circular, of an applied sill to vault doors which have the stepped frames in metal usual in their construction - it levels up and overcomes the irregularity in the floor entrance to the vault - I know the device accomplishes the purpose for which it is intended, and is a great convenience and assistance where such door openings are in constant use to be passed over. I know Capt. Clark who has been connected with the Fidelity since its early days. He is a first class man. Yours very truly  
Jas. Henderson



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No.

77934

DIRECTOR MINT.

REC. MAR 17 1891

Treasury Department  
Office of the Supervising Architect  
Jan 8, 1891

Jas H. Mendenhall

Supervising Architect

Enc Circular & letter of Mr. Clark of the  
Fidelity Ins. Trust & Safe Deposit Co of Phila  
rel to Sills to vault doors &c

Treasury Department,

Bureau of the Mint.

March 17, 1891.

Respectfully referred to the  
Superintendent of the U. S. mint  
at Philadelphia for his informa-  
tion.

*E. A. Lusk*

Director.

Recd March 18, 1891



# MOVABLE SILLS AND FLOORS

FOR

## Burglar and Fire Proof Vaults.

(PATENTED DEC. 24, 1889—NOV. 18, 1890.)

The attention of **architects, designers and makers of safe deposit vaults**, as well as **banks, trust and safe deposit companies, and private firms or corporations** using **burglar or fire proof vaults**, is called to the recently patented improvements in said **vaults**, whereby, *when the vaults are open, an uninterrupted and level passage is afforded into and out of the vault.*

Nearly all **burglar and fire proof vaults** are provided, at the present day, with raised rabbeted sills, which form, with the rabbeted doors, a staggered joint.

These sills project several inches above the level of the floor of the building and the floor of the vault, and in many cases two or more of these sills are used for two or more door-ways.

In **safe deposit institutions and banks**, there is frequent, and in some cases, almost constant, passage of persons into and out of these **vaults**, and consequently each **sill** has to be stepped over, and it often happens that persons *stumble over the raised sills.*

This objection is overcome by the use of a **movable sill** which provides for a *level and unbroken passage, the floors of the building, vestibule and vault being on the same plane*, while at the same time the fire and burglar proof features of the modern construction of vaults are retained.

In figs. 1 and 2 of the diagram hereto attached, is shown a **vault** having a vestibule, and provided with one **permanent sill** and one **movable sill**. Fig. 1 shows the vault doors closed, and fig. 2 shows the vault doors open, the **movable sill** turned back and the filling piece for the vestibule inserted, giving an *uninterrupted and level passage into the vault.*

Figs. 3 and 4 illustrate the use of two **movable sills** swinging in two pits. When the vault doors are open the **sills** are swung back **level** with the floor and the small filling plate placed in position, giving an *uninterrupted and level passage to and from the vault.*

Figs. 5 and 6 illustrate a forward **swinging sill** which dispenses with the use of filling plates.

Figs. 7 and 8 show in detail the working of the **movable sill** illustrated in figure 1.

The remaining figures of the drawing illustrate different modifications of the **movable sill and movable floor.**

The right to make and use the improvements mentioned can be obtained only from the undersigned. The royalty charged is \$150 on each sill used.

G. S. CLARK, Patentee,

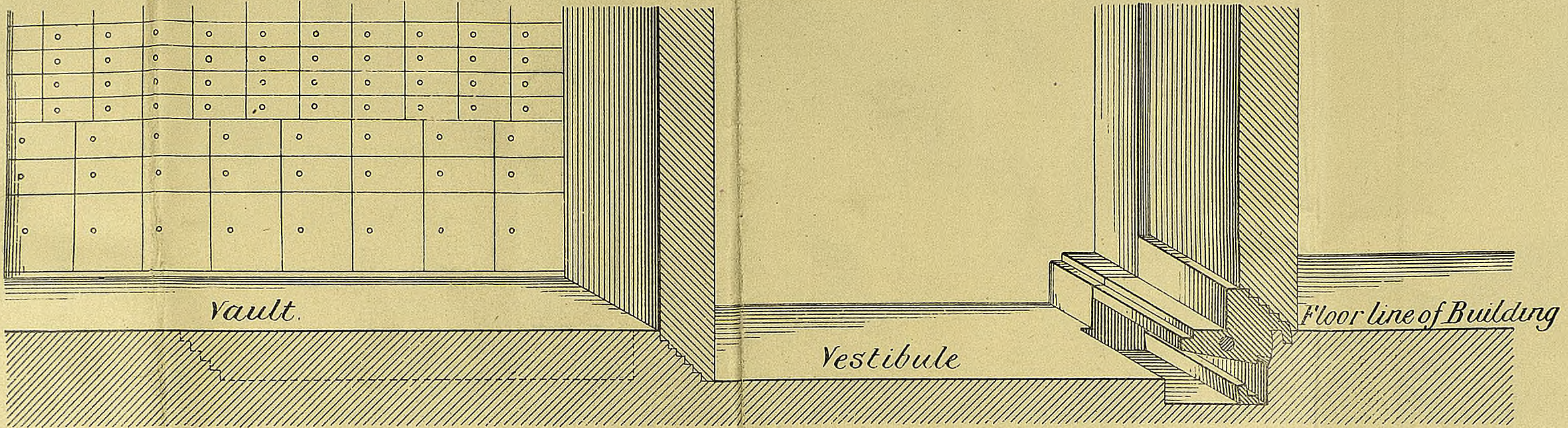
325—331 CHESTNUT ST., PHILADELPHIA, PENNA.



①

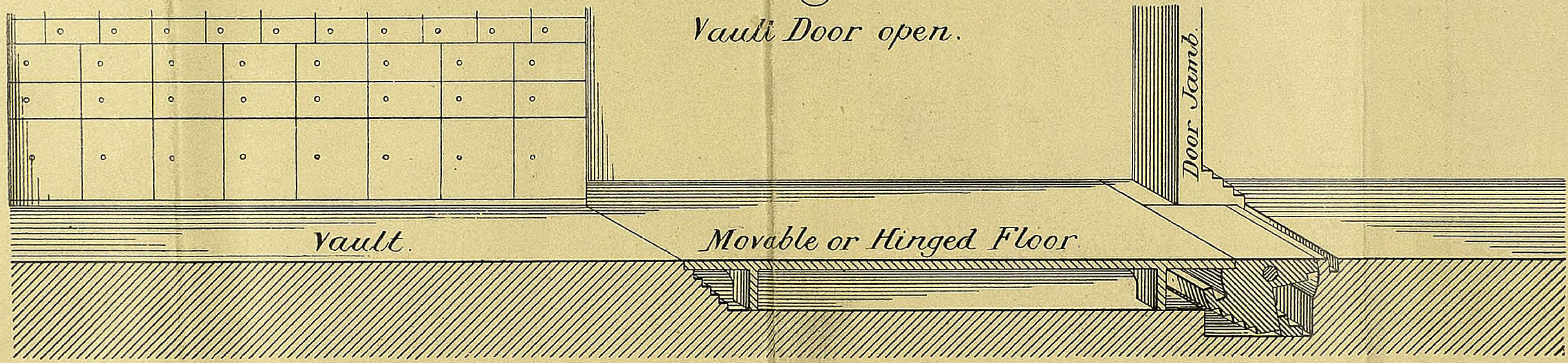
*Safe Deposit Boxes*

*Vault Door closed*



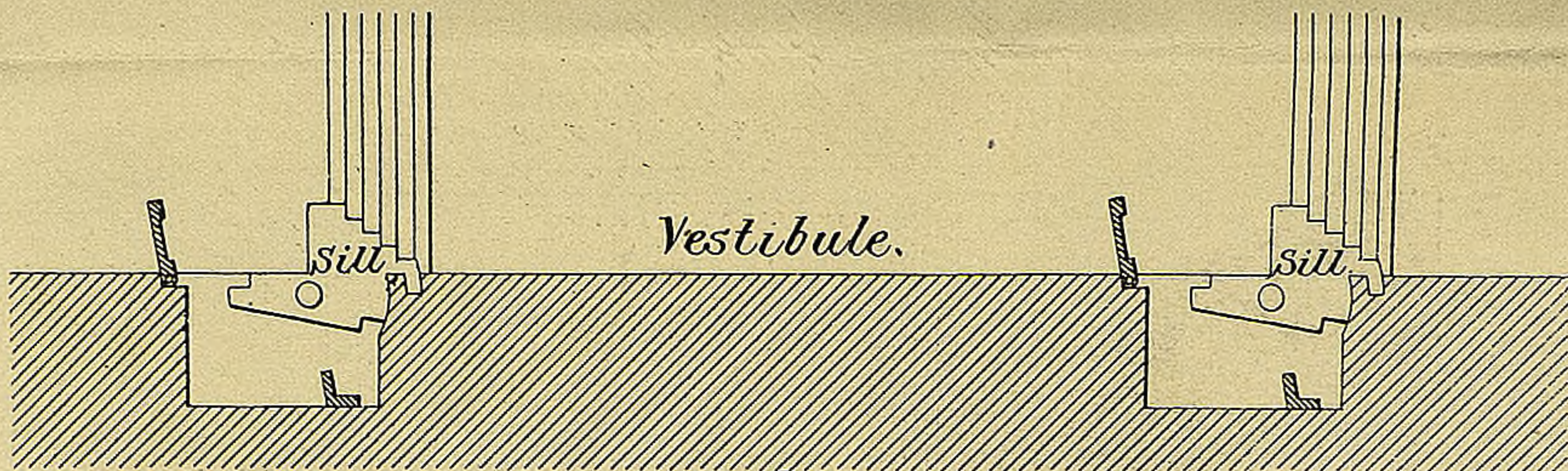
②

*Vault Door open.*





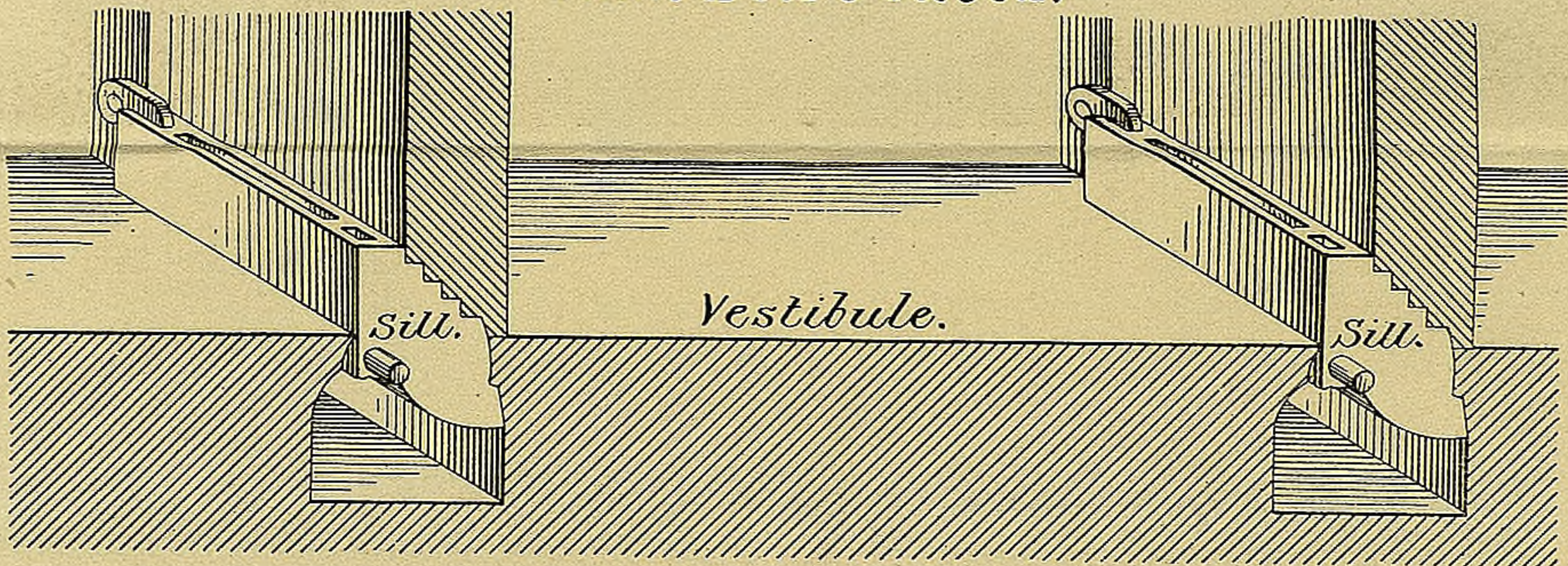
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*Vault Doors closed.*

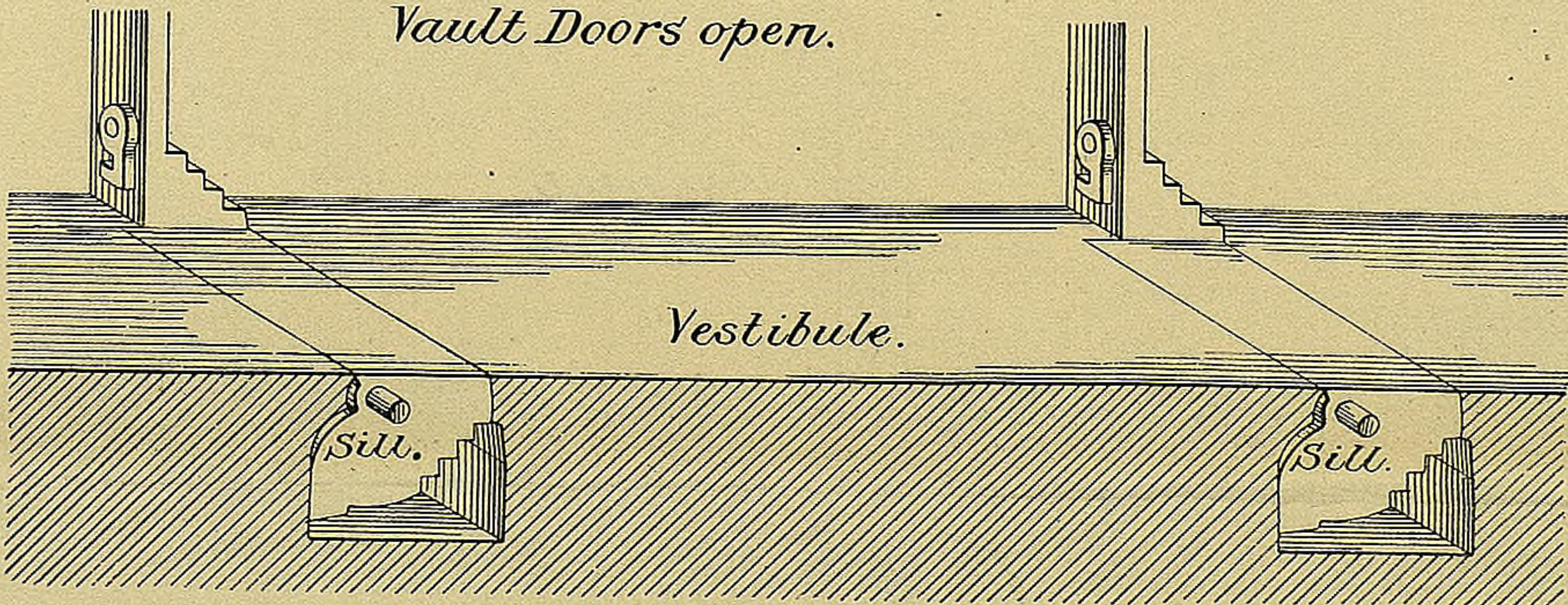
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*Vault Doors open.**Vestibule.*

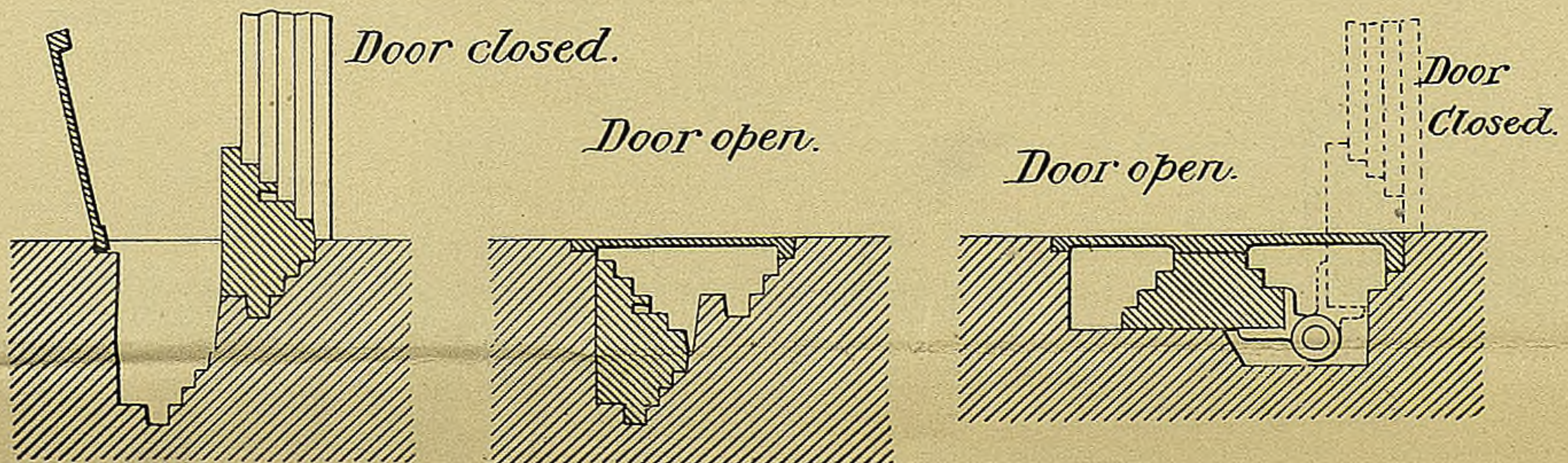
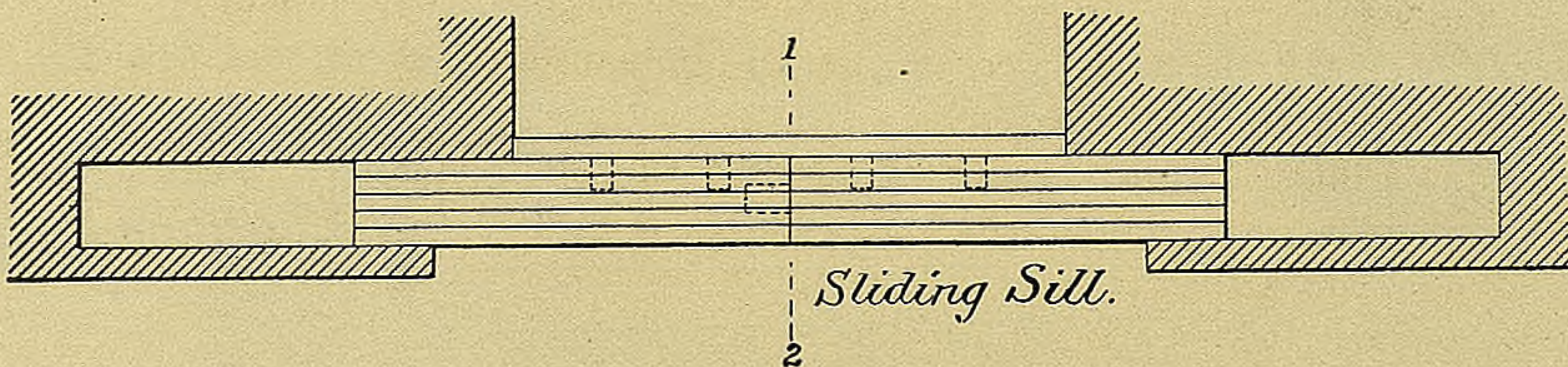
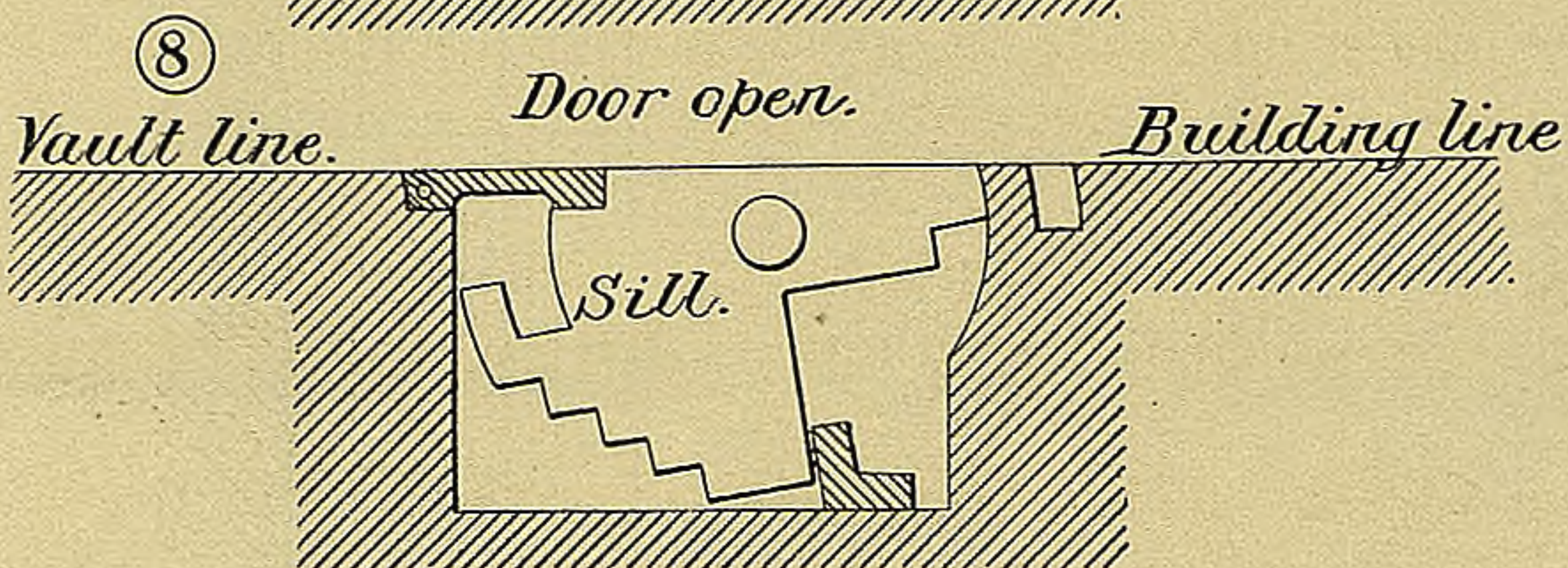
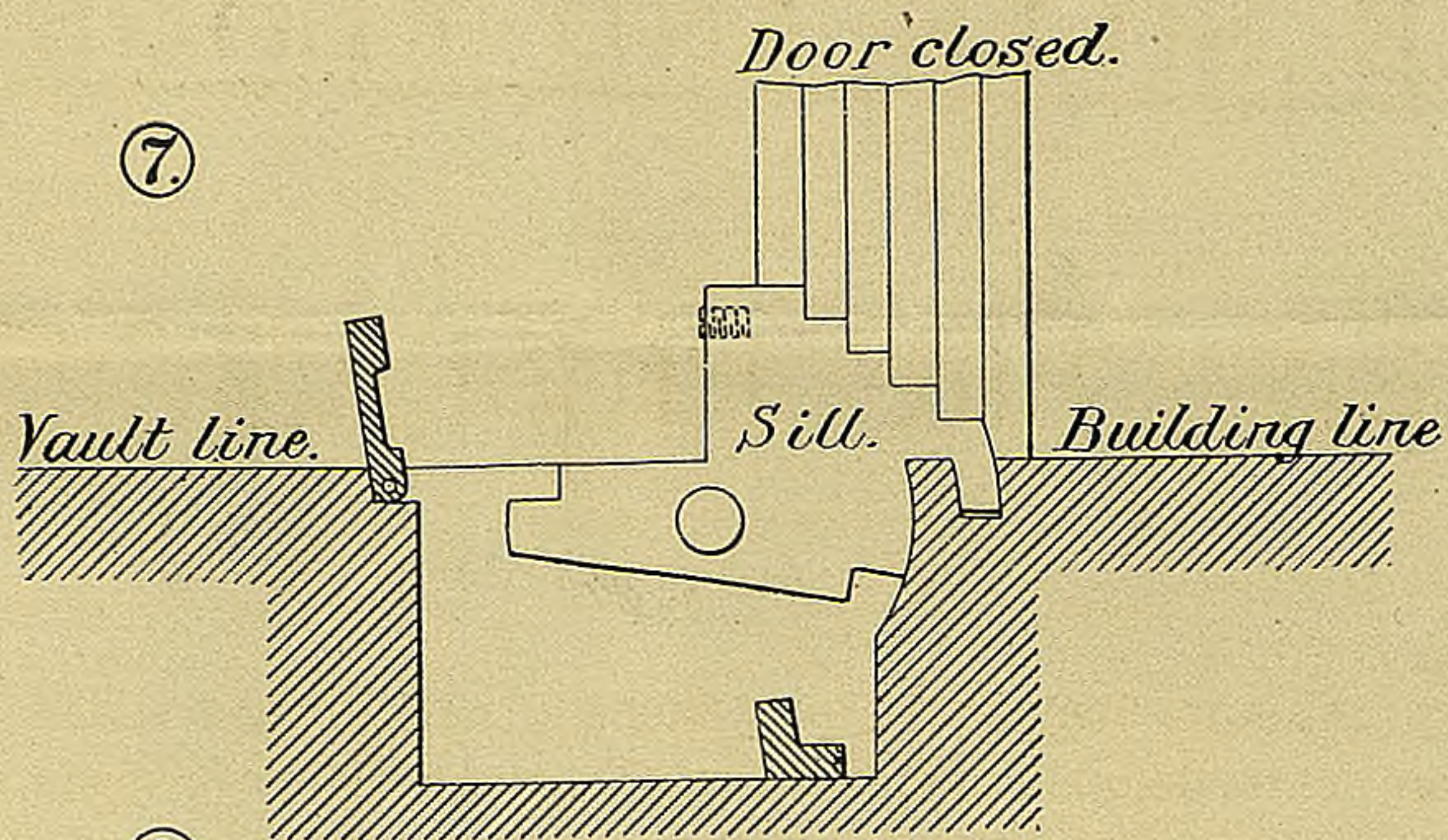
⑤

*Vault Doors closed.*

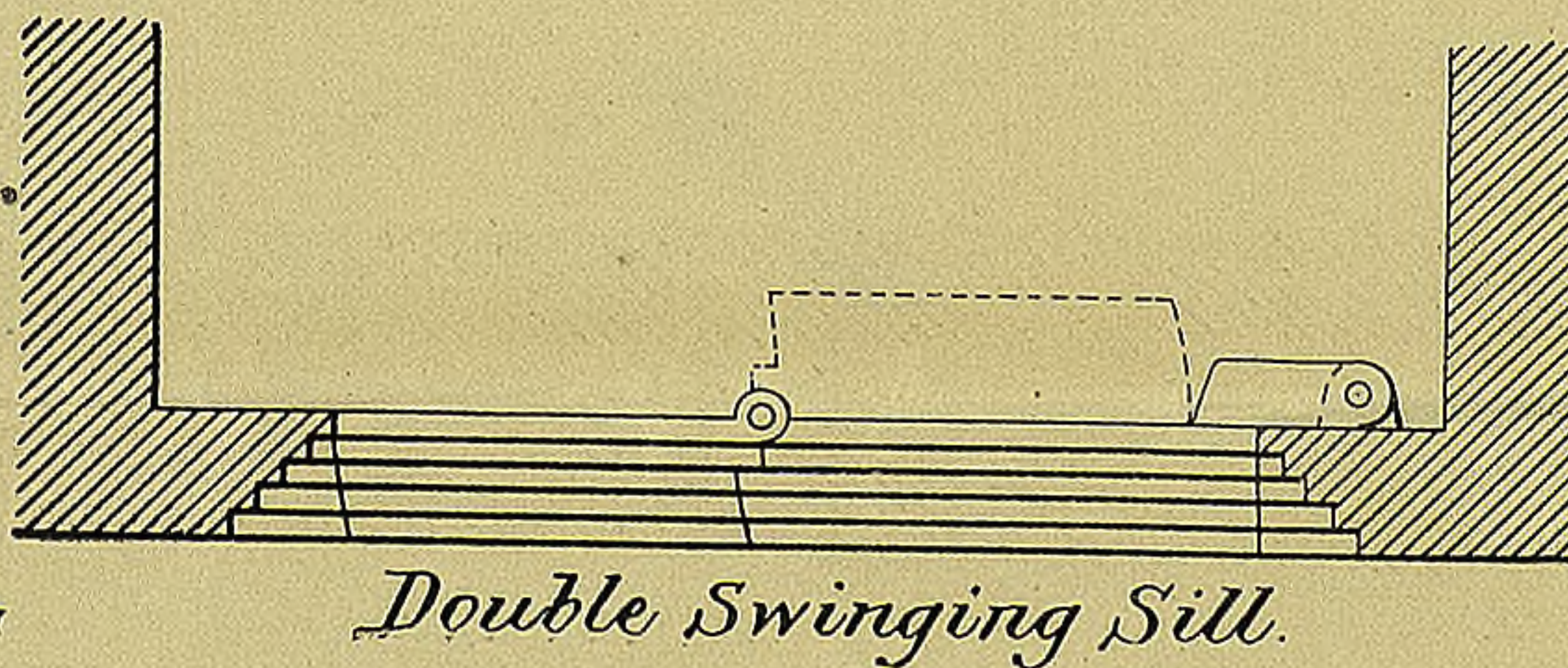
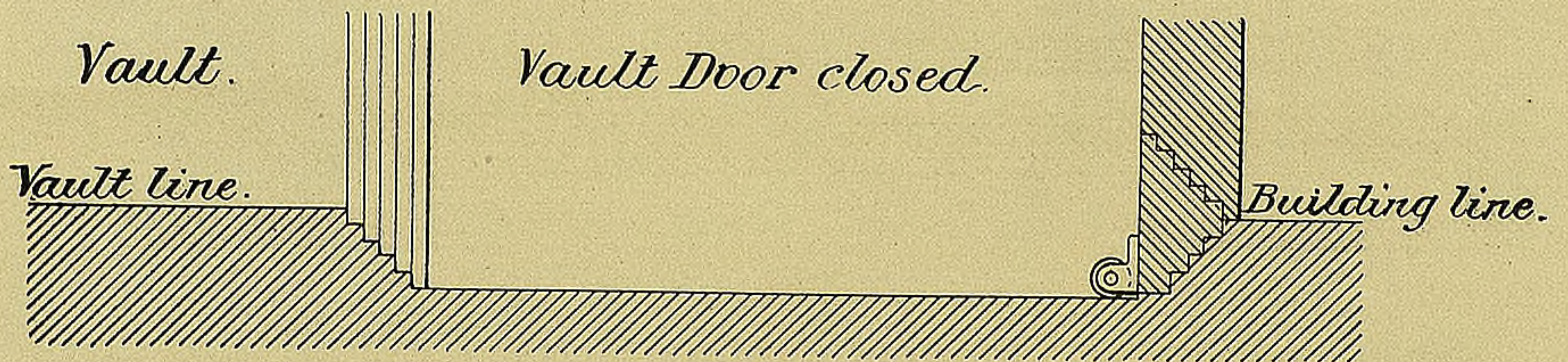
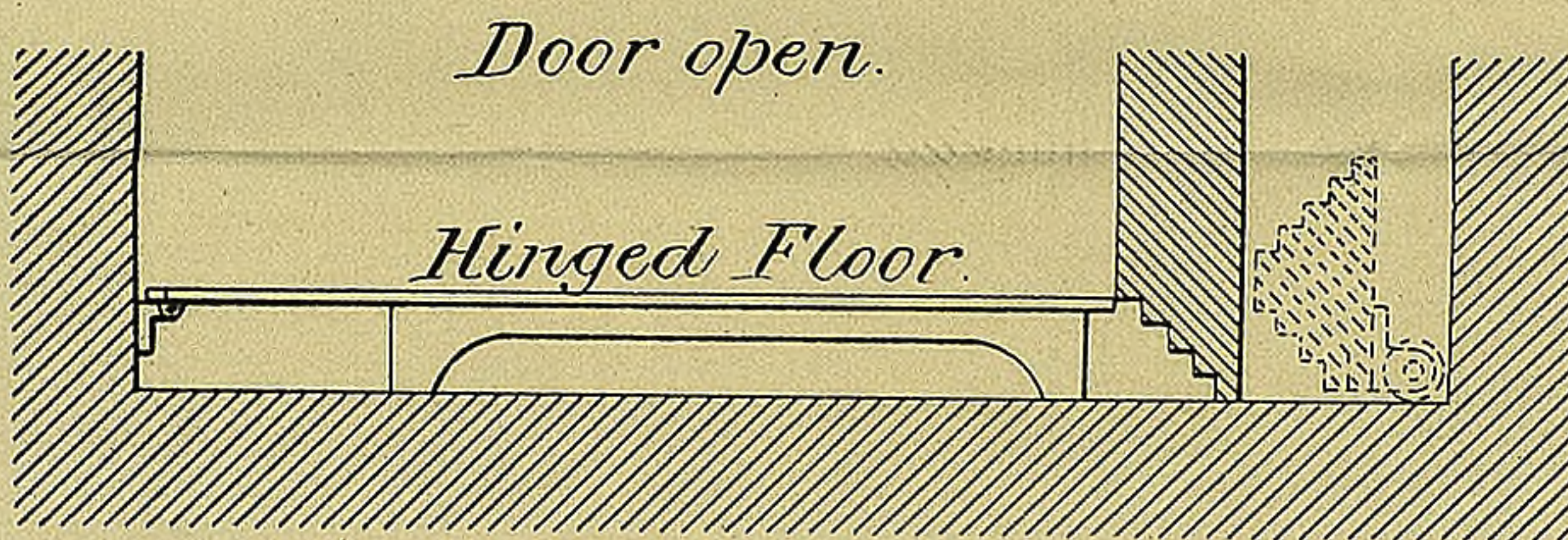
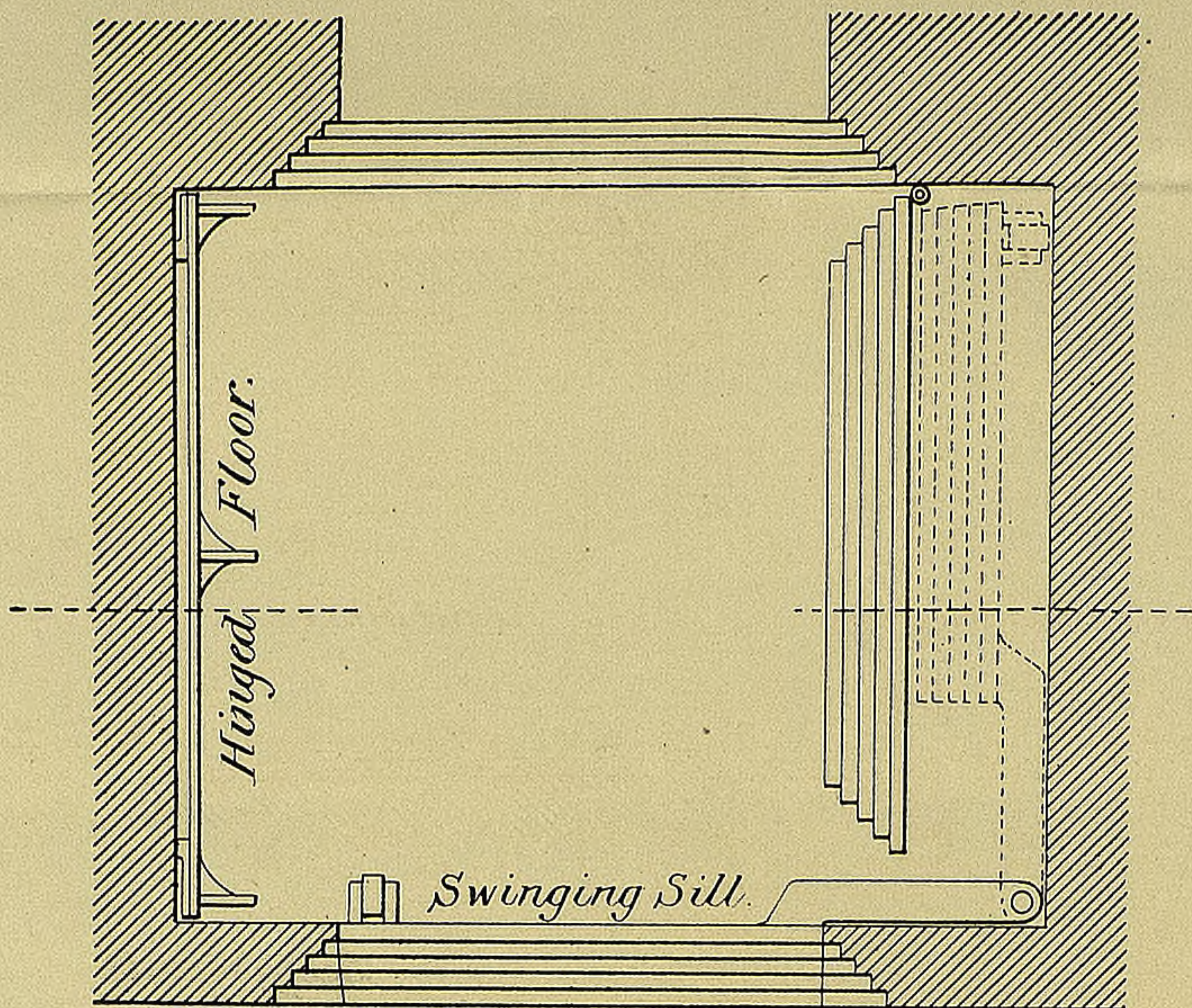
⑥

*Vault Doors open.**Vestibule.*

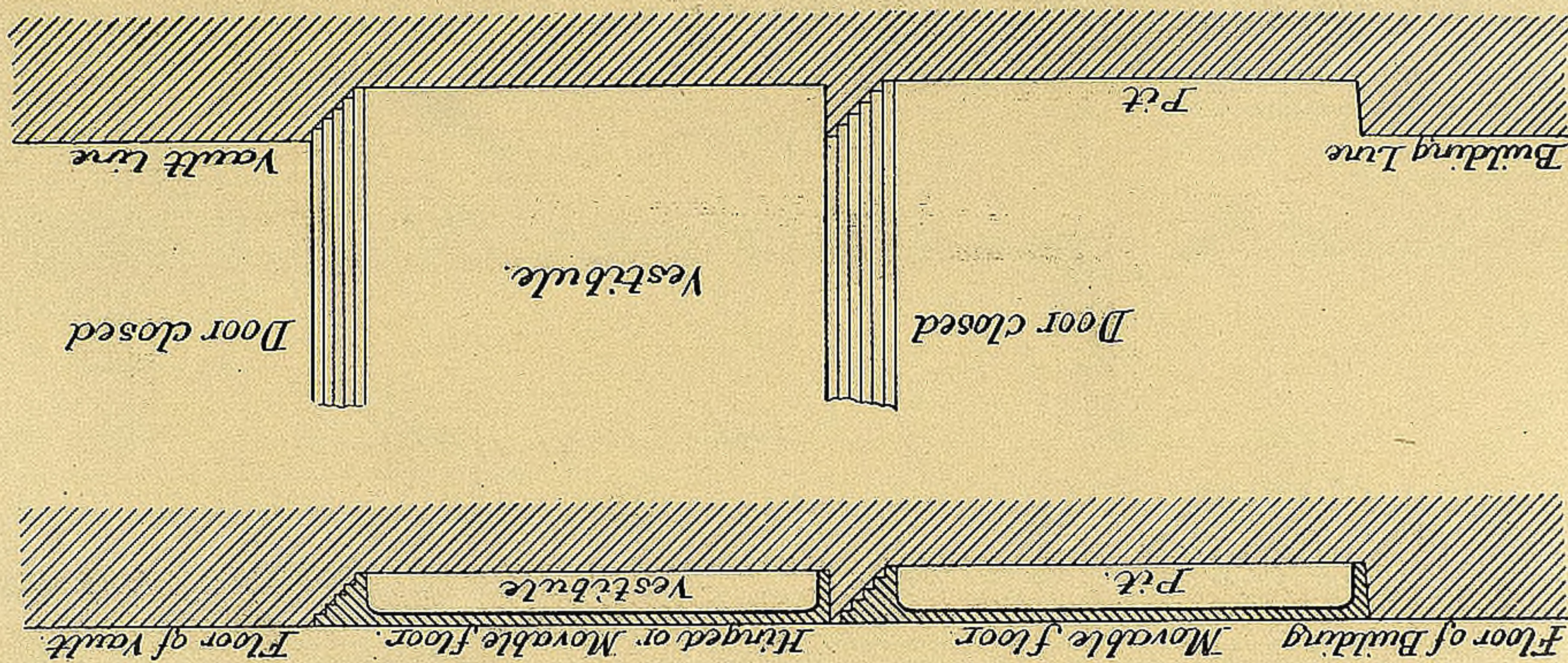




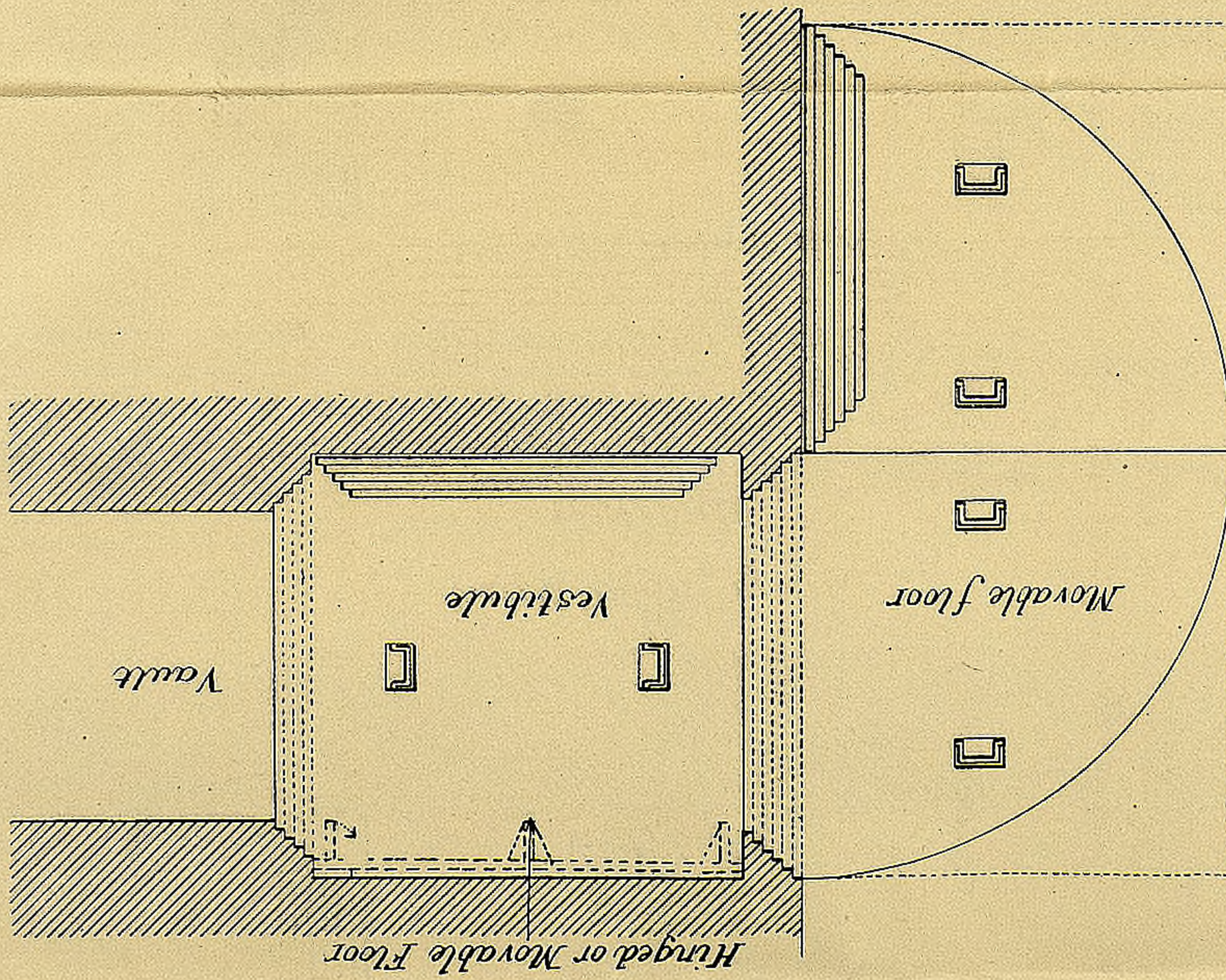








*Doors open.*





NARA RG104, Entry 1, Box 167

[Abstract:] Circular & letter of Mr. Clark of the Fidelity Lus. Trust & Safe Deposit Co. of Philadelphia, rel. to sills to vault doors &c.

Treasury Department,  
Office of the Supervising Architect.

Washington, D.C.  
January 8, 1891

Col. E.O. Leech  
"Director of the Mint"

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Yours very truly,  
Jas. H. Windrim

[Typed note on back:]

Treasury Department,  
Bureau of the Mint.  
March 17, 1891.

Respectfully referred to the Superintendent of the U.S. mint at Philadelphia for his information.

E.O. Leech  
Director



[Included pamphlet:]

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(Patented Dec. 24, 1889-Nov. 18, 1890.)

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**G.S. CLARK, Patentee,**  
**325-331 Chestnut St., Philadelphia, Penna.**

[Please see original PDF for diagrams.]